

Appl. No. 09/973,285  
Amtd. Dated July 26, 2005  
Reply to Office Action of August 1, 2003

**Amendments to the Claims:**

This listing will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently amended): An electronic dart game comprising:**

a dart;

a dartboard, provided with

a frame, formed of a plurality of scoring areas by a plurality of radial spiders and circumferential spider which are arranged crossly;

a main body receiving said dart, attached to said frame; and

an electronic scoring means for displaying signals collected from said scoring areas;

a plurality of coreless inductance coils with predetermined turns, provided with said frame and connected to said electronic scoring means through cables;

said dart is provided with a magnetic substance;

each of said coreless inductance coils is associated with a corresponding one of said scoring areas and defines a scoring signal zone; and

a scoring signal is generated by said dart entering said scoring signal zone, said signal is transmitted to said electronic scoring means.

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**Claim 2 (Currently amended): An electronic dart game according to claim 1, wherein said plurality of coreless inductance coils are provided with predetermined shape to be engaged with said scoring areas.**

**Claim 3 (Currently amended): An electronic dart game according to claim 2, wherein cross-section of each turn of said coreless inductance coil matches and is smaller than that of said scoring areas.**

**Claim 4 (Currently amended): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coils is arranged in front of said main body.**

**Claim 5 (Currently amended): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coils is arranged in back of said main body.**

**Claim 6 (Currently amended): An electronic dart game according to claim 3, wherein said frame provided with said coreless inductance coil is arranged in said main body.**

**Claim 7 (Currently amended): An electronic dart game according to claim 3, wherein a plurality of said coreless coils correspond to different scoring areas representing the same score, are wired together before being connected to said electronic scoring means.**

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**Claim 8 (Previously presented): An electronic dart game according to claim 1, wherein a point of said dark is provided with a magnetic substance.**

**Claim 9 (Previously presented): An electronic dart game according to claim 8, wherein a slender shaft of said dart is provided with a magnetic substance.**

**Claim 10 (Original): An electronic dart game according to claim 9, wherein said point and slender shaft of said dart are integrated and magnetized simultaneously.**

**Claim 11 (Original): An electronic dart game according to claim 1, wherein said main body of said dartboard is made of bristle, natural fiber, synthetic fiber, plastic or combinations thereof.**

**Claims 12-13 (Canceled)**

**Claim 14 (Currently amended): An electronic dart game comprising:**

**a dart;**

**a dartboard, provided with**

**a frame, formed of a plurality of scoring areas by a plurality of radial spiders and circumferential spiders which are arranged crossly;**

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a main body for receiving said dart, attached to said frame; and  
an electronic scoring means for displaying signals collected from said scoring areas;  
a plurality of coreless inductance coils with predetermined turns, provided with said frame  
and connected to said electronic scoring means through cables;  
said dart is provided with a magnetic substance;  
each of said coreless inductance coils is associated with a corresponding one of said scoring  
means and defines a scoring signal zone; and  
a scoring signal is generated by said dart moving through one of said coreless inductance  
coils, and said signal is transmitted to said electronic scoring means.

Claim 15 (Currently amended): An electronic dart game comprising:

a dart;  
a dartboard, provided with  
a frame, formed of a plurality of scoring areas by a plurality of radial spiders and  
circumferential spiders which are arranged crossly;  
a main body for receiving said dart, attached to said frame; and  
an electronic scoring means for displaying signals collected from said scoring areas;  
a plurality of coreless inductance coils with predetermined turns, provided with said frame  
and connected to said electronic scoring means through cables;  
said dart is provided with a magnetic substance;

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each of said coreless inductance coils is associated with a corresponding one of said scoring means and defines a scoring signal zone; and

an electronic field is generated only when said dart moves through said coreless inductance coils, and said signal is transmitted to said electronic scoring means.